



Without references

Sheet

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Form PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary)

Docket Number (Optional)
2878(203-3441)Application Number
10/728,259Applicant
David S. KeppelFiling Date
December 4, 2003Group Art Number
3762**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
DP	4,848,335	7/18/89	Manes			
	5,019,176	5/2891	Brandhorst, Jr.			
	5,087,257	2/11/92	Farin			
	5,108,391	4/28/92	Flachenecker			
	5,162,217	11/10/92	Hartman			
	5,196,008	3/23/93	Kuenecke			
	5,267,997	12/7/93	Farin			
	5,300,070	4/5/94	Gentelia			
	5,383,874	1/24/95	Jackson			
	5,409,485	4/25/95	Suda			
	5,432,459	7/11/95	Thompson			
	5,436,566	7/25/95	Thompson			
	5,445,635	8/29/95	Denen			
	5,540,683	7/30/96	Ichikawa			
	5,558,671	9/24/96	Yates			
	5,573,533	11/12/96	Strul			
	5,647,869	7/15/97	Goble			
	5,647,871	7/15/97	Levine			
	5,722,975	3/3/98	Edwards			
	5,755,715	5/26/98	Stern			
	5,769,847	6/23/98	Panescu			
	5,797,802	8/25/98	Nowak			
	5,830,212	11/3/98	Cartmell			
DP	5,836,990	11/17/98	Li			
	5,931,836	8/3/99	Hatta			

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MP	5,951,545	9/14/99	Schilling			
	6,063,075	5/16/00	Mihori			
	6,113,596	9/5/00	Hooven			
	6,228,081	5/8/01	Goble			
	6,231,569	5/15/01	Bek			
	6,238,388	5/29/01	Ellman			
	6,245,065	6/12/01	Panescu			
	6,261,285	7/17/01	Novak			
	6,273,886	8/14/01	Edwards			
	6,275,786	8/14/01	Daners			
	6,293,941	9/25/01	Strul			
	6,309,386	10/30/01	Bek			
	6,338,657	1/15/02	Harper et al.			
	6,358,245	3/19/02	Edwards			
	6,398,779	6/4/02	Buysse			
	6,458,121	10/1/02	Rosenstock			
	6,464,689	10/15/02	Qin			
	6,464,696	10/15/02	Oyama			
	6,508,815	1/21/03	Strul			
	6,547,786	4/15/03	Goble			
6,562,037	5/13/03	Paton				
6,623,423	9/23/03	Sakurai				
6,635,057	10/21/03	Harano				
6,648,883	11/18/03	Francischelli				
MP	6,652,514	11/25/03	Ellman			
	6,663,624	12/16/03	Edwards			

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JSP	6,666,860	12/23/03	Takahashi			
	6,679,875	1/20/04	Honda			
	6,685,700	2/3/04	Behl			
	6,692,489	2/17/04	Heim			
	6,712,813	3/30/04	Ellman			
	6,730,080	5/4/04	Harano			
	6,733,495	5/11/04	Bek			
	6,733,498	5/11/04	Paton			
	6,740,079	5/25/04	Eggers			
	6,740,085	5/25/04	Hareyama			
	6,783,523	8/31/04	Qin			
	6,790,206	9/14/04	Panescu			
	6,796,981	9/28/04	Wham			
	6,824,539	11/30/04	Novak			
	6,830,569	12/14/04	Thompson			
	6,843,789	1/18/05	Goble			
	6,849,073	2/1/05	Hoey			
	6,855,141	2/15/05	Lovewell			
	6,855,142	2/15/05	Harano			
	6,860,881	3/1/05	Sturm			
JSP	6,864,686	3/8/05	Novak			
	6,875,210	4/5/05	Refior			
	6,893,435	5/17/05	Roane			

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3762**U.S. PUBLISHED PATENT APPLICATION DOCUMENTS**

Examine Initial	Document Number	Publication Date	Name	Class	Subclass	Filing Date if Appropriate
<i>dk</i>	US2002/0035364 A1	3/21/02	Schoenman et al.			
	US2002/0068932 A1	6/6/02	Edwards			
	US2002/0193787 A1	12/19/02	Qin			
	US2003/0078572 A1	4/24/03	Pearson et al.			
	US2003/0153908 A1	8/14/03	Goble			
	US2003/0163123 A1	8/28/03	Goble			
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	US2003/0171745 A1	09/11/03	Francischelli			
	US2003/0199863 A1	10/23/03	Swanson			
	US2003/0060818 A1	03/27/03	Kannenberg			
	US2004/0002745 A1	1/1/04	Flemming			
	US2004/0019347 A1	1/29/04	Sakurai			
	US2004/0024395 A1	2/5/04	Ellman			
	US2004/0030328 A1	2/12/04	Eggers			
	US2004/0044339 A1	3/4/04	Beller			
	US2004/0049179 A1	3/11/04	Francischelli			
	US2004/0054365 A1	3/18/04	Goble			
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	US2004/0082946 A1	4/29/04	Malis			
	US2004/0097912 A1	5/20/04	Gonnering			
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	US2004/0097915 A1	5/20/04	Refior			
<i>dk</i>	US2004/0116919 A1	6/17/04	Heim			
	US2004/0133189 A1	7/8/04	Sakurai			

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3762

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		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
		EP830,888		EP				
		EP878,169		EP				
MP		EP1293171	Mar. 2003	EP				
		DE10717411 A1		DE				
MP		WO 03/092520	Nov. 2003	PCT				
		WO 04/028385	Apr. 2004	PCT				
		WO 04/098385	Apr. 2004	PCT				
		WO 05/046496	May 2005	PCT				
		WO 05/048809	June 2005	PCT				
MP		WO 05/050151	June 2005	PCT				
		WO 05/060365	Nov. 2003	PCT				

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MP	International Search Report - PCT/US03/37110
	International Search Report - PCT/US03/37310
	International Search Report - EP4009964
	International Search Report - EP98300964.8
	International Search Report - EP04015981.6
	Chicharo et al. "A Sliding Goertzel Algorithm" August 1996, pgs. 283-297
	SIGNAL PROCESSING, ELSEVIER SCIENCE PUBLISHERS B.V. AMSTERDAM, NL vol. 52 no. 3
MP	Ogden "Goertzel Alternative to the Fourier Transform: June 1993 pgs. 485-487
	ELECTRONICS WORLD; REED BUSINESS PUBLISHING, SUTTON, SURREY, BG vol. 99, no 9. 1687

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